

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An induction heating roller device comprising:
an induction coil unit having a primary coil; ~~and~~
a hollow heating roller having a secondary coil ~~coupled to the primary coil of said~~
~~induction coil unit through a coreless transformer coupling and, said secondary coil~~ having a
secondary resistance value substantially equal to a secondary reactance, and said hollow
heating roller being rotatably supported; and
a coreless transformer coupling configured to couple the primary coil to the secondary
coil.

Claim 2 (Original): The induction heating roller device according to claim 1,
wherein:
said secondary coil has a closed circuit.

Claim 3 (Original): The induction heating roller device according to claim 1, wherein:
said induction coil unit includes a wire pair leading from said primary coil; and
a capacitor connected between said wire pair in close proximity to said primary coil.

Claim 4 (Original): The induction heating roller device according to claim 3,
wherein:
said primary coil includes a plurality of primary coil components dispersedly located
along an axis of said heating roller and connected between said wire pair; and
said capacitor includes a plurality of capacitor components connected between said
wire pair in close proximity to said plurality of primary coil components, respectively.